Title (en)

BLADE FOR A DEVICE FOR GENERATING ENERGY FROM A FLUID FLOW AND DEVICE COMPRISING A ROTOR USING SAID BLADES

Title (de)

SCHAUFEL FÜR EINE VORRICHTUNG ZUR ERZEUGUNG VON ENERGIE AUS EINEM FLUIDSTROM, SOWIE VORRICHTUNG MIT EINEM ROTOR UMFASSEND DIESE SCHAUFELN

Title (fr)

PALE POUR APPAREIL DE GENERATION D'ENERGIE A PARTIR D'UN FLUIDE, ET APPAREIL COMPRENANT UN ROTOR FAISANT APPLICATION DE TELLES PALES

Publication

EP 2294313 B1 20120905 (FR)

Application

EP 09738352 A 20090421

Priority

- FR 2009000469 W 20090421
- FR 0802250 A 20080422

Abstract (en)

[origin: WO2009133318A2] A blade (2) for a device for generating energy from a fluid, comprising a driving surface (3) inside which a fluid is intended to flow in order to rotate the blade (2) about a rotational axis X0 which defines with axes Y0, Z0 an orthogonal reference frame X0, Y0, Z0, said blade being bounded by a leading edge (4) and a trailing edge (5), narrowing between the leading edge (4) and the trailing edge (5), running along a neutral fibre (10), characterized in that the projection of the neutral fibre (10) onto the plane X0, Y0 has a first curvature, the plane X0, Y0 being defined so as to contain the neutral fibre (10) at the leading edge (4). Application in particular to wind generators.

IPC 8 full level

F03B 17/06 (2006.01); **F03D 1/06** (2006.01); **F03D 80/00** (2016.01)

CPC (source: EP US)

F03B 17/061 (2013.01 - EP US); **F03D 1/0633** (2013.01 - EP US); F05B 2240/2213 (2013.01 - EP US); F05B 2240/301 (2013.01 - EP US); F05B 2250/323 (2013.01 - EP US); F05B 2250/71 (2013.01 - EP US); Y02E 10/20 (2013.01 - EP US); Y02E 10/72 (2013.01 - EP US)

Cited by

CN106122047A; CN106122092A

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DOCDB simple family (publication)

FR 2930300 A1 20091023; **FR 2930300 B1 20111021**; AU 2009241880 A1 20091105; BR PI0911220 A2 20150929; BR PI0911220 B1 20200512; CA 2719144 A1 20091105; CA 2719144 C 20160621; CN 102016295 A 20110413; CN 102016295 B 20130731; EP 2294313 A2 20110316; EP 2294313 B1 20120905; ES 2397808 T3 20130311; HK 1156674 A1 20120615; JP 2011518287 A 20110623; JP 5701204 B2 20150415; MX 2010011600 A 20110411; NZ 588867 A 20130426; RU 2010147354 A 20120527; RU 2557966 C2 20150727; US 2011070094 A1 20110324; US 8562299 B2 20131022; WO 2009133318 A2 20091105; WO 2009133318 A3 20100107

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